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# The WPI Volume 10 Issue 12, December 15 1894

Students of Worcester Technical Institute

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# THE W. P. I.



Vol. X.

Saturday, December 15, 1894.

No. 12.

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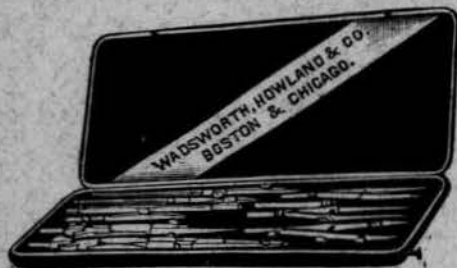
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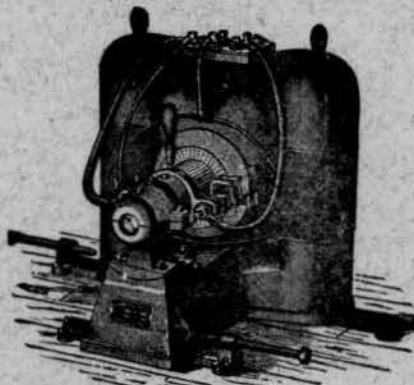
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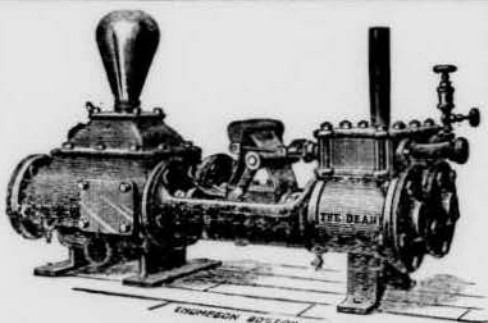
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meeting over to Pres. Fred W. Parks of the Athletic Association. He hoped the students would consider his project, and assured them of the hearty support of the Athletic Committee of the Faculty. Dr. Mendenhall's speech and words of encouragement were listened to with great attention, and at the close of his remarks the applause which greeted him showed they were well appreciated.

Pres. F. W. Parks then took the chair. Harris, '96, moved a committee of three be appointed to consider Dr. Mendenhall's proposition and to confer with the athletic committee from the Faculty. Warren, '95, offered an amendment, that the committee consist of the three presidents of the Athletic Associations. This motion, as amended, was seconded and carried unanimously.

The project of giving a burlesque or show of some sort was then discussed. The President of the Association stated, that it was understood that the Faculty would offer no objection to a show such as was given in '93. Temple, '95, moved that a committee of three be appointed to confer with the Faculty on this subject. The motion was seconded and carried. Then followed quite a discussion as to the duties of this committee, but it was finally decided, that it was only to confer with the Faculty. The following committee was elected: A. W. Doe, '95, chairman; Zaeder, '96; Newcomb, '98.

At this point the meeting was disturbed by the withdrawal of several students. To overcome this, it was moved that the doors be locked till adjournment. Carried.

A motion was made that the show be presented before the end of the Easter vacation. Seconded and carried. The committees on athletics and the show were instructed to report at a meeting of the Athletic Association to be held December 5th. This motion was seconded and carried.

The subject of polo was then discussed at some length. Philpot, '97, addressed the meeting on this subject. A scheme was presented by which the courts of the Tennis Association could be flooded and thus give an excellent sheet of ice for polo. Riley, '96, was elected manager of the polo team by acclamation.

Allen, '94, made a few remarks on training for the relay team, and then the meeting adjourned.

### THE NEW ATHLETIC ASSOCIATION.

A mass meeting of the students was held in the Chapel at noon Wednesday, December 12, for the purpose of hearing the reports of the two committees appointed at the last meeting.

Mr. Harrington first gave the report of the

committee on the consolidation of the Football, Baseball, and Athletic Associations, and read the constitution it had drawn up.

After much discussion it was voted to accept the report, and adopt the constitution provisionally, until it had been published in the W P I, and brought up at a subsequent meeting. Each of the old associations then called a meeting and passed a vote to disband.

Mr. Harrington now asked that Mr. Parks be given general consent to act as chairman, so that necessary business of establishing the new association might be carried on. This was allowed, and the meeting then voted to elect directors and to allow the rest of the elections to take place as provided for in the new constitution. The board of directors is to consist of three Alumni, three members of the Faculty, the President of the Association, and a member from each of the four classes of the Institute.

Those elected were: G. A. Denny, '95, C. R. Harris, '96, H. H. Morse, '97, and D. M. Dimmick, '98.

Mr. Doe, chairman of the committee, appointed to confer with the Faculty as regards a Tech show, reported very favorably.

The students were given full liberty to go ahead and arrange such a play as they should see fit, the only stipulation being that a book of the play should be shown to the Faculty before it was produced on the stage.

A committee to take charge of the arrangements for the play was next elected, as follows: Mr. Parks, '95, chairman, Mr. Tilden, '95, and Mr. Dana, '97.

Mr. Riley, '96, handed in his resignation as manager of the polo team, as he could not find the time to devote to its interests. Mr. Beyer, '96, was elected to fill the vacancy.

The meeting then adjourned.

### CONSTITUTION OF THE WORCESTER POLYTECHNIC INSTITUTE ATHLETIC ASSOCIATION.

#### ARTICLE I. NAME.

The name of this Association shall be the WORCESTER POLYTECHNIC INSTITUTE ATHLETIC ASSOCIATION.

#### ARTICLE II. OBJECT.

The object of this Association shall be the promotion and regulation of athletics in the Institute.

#### ARTICLE III. MEMBERSHIP.

SECTION 1.—Any student of the Institute may become a member of this Association by paying

to the Treasurer the annual sum of one dollar (\$1), payable half before each regular meeting, which shall entitle him to the privileges of this Association. Failure to pay his dues before the specified time forfeits a student's membership.

SEC. 2.—The officers of this Association and the members of its committees shall be members of the Association, except in the case of the representatives of the Faculty and Alumni on the Board of Directors.

SEC. 3.—No person other than a member of this Association shall be entitled to any of the privileges of the Association.

#### ARTICLE IV. OFFICERS.

SECTION 1.—The officers of this Association shall be a President, coming from the Senior class, a Vice-President and a Keeper, from the Junior class, a Secretary and a Treasurer at large, a Base Ball Manager from the Junior class, a Football Manager elected from the Junior class, an Assistant Base Ball Manager, an Assistant Football Manager, and a Board of Directors of eleven members.

SEC. 2.—The Board of Directors shall consist of three members from the Faculty of the Institute, three from the Alumni, one from each class among the undergraduates, and the President of the Association. The member from the Freshman class shall be elected at the beginning of the second half-year.

SEC. 3.—The Faculty shall elect its representatives on or before June 1st of each year for the year following.

SEC. 4.—The Alumni shall elect their representatives at their annual meeting at Worcester in June. The representatives shall hold office during the next college year.

SEC. 5.—The Base Ball Manager shall be elected at the regular Fall meeting. The Football Manager shall be elected at the regular meeting in February. The Assistant Base Ball Manager and the Assistant Football Manager shall be appointed by the Managers of Base Ball and Football respectively.

SEC. 6.—The regular meetings of the Association shall be held at noon on the second Friday after the beginning of the college year and on the second Friday in February. At the former of these meetings, all officers, not elsewhere provided for, shall be elected for the ensuing year.

SEC. 7.—The Base Ball and Football teams shall elect their respective captains by a majority vote of those who have played in at least two regular games. Each election shall take place within one week after the playing of the last regularly scheduled game of the season.

SEC. 8.—The Captain of Field and Track Athletics shall be elected by the Board of Direc-

tors at the beginning of each college year; and he shall have full power, under direction of the Board, if necessary, in all matters pertaining to track or field athletics.

SEC. 9.—The Nominating Committee shall consist of four members, one from each class, to be appointed by the Board of Directors. The duties of this Committee shall be:

FIRST.—Making out a list of candidates for the various offices that are to be filled and posting this list of names on the bulletin board of the Athletic Association at least two weeks before the meeting at which the elections are to be held.

SECOND.—Adding to this list of candidates, at the end of one week, the names of any members of the Association, proposed as candidates for office, which proposition shall have been signed by ten members of the Association.

THIRD.—Preparing ballots, according to the Australian system, to be used at the election. These ballots shall contain all the names which have been posted on the Athletic Association bulletin board for one week.

#### ARTICLE V. DUTIES OF OFFICERS.

SECTION 1.—The President shall preside over all meetings of this Association, and shall perform the duties usually belonging to that office and such duties as shall be prescribed by the Constitution and By-Laws. He shall be a member, *ex-officio*, of the Board of Directors.

SEC. 2.—The Vice-President shall, in the absence of the President, or at his request, perform all the duties of the President with equal power. He shall be chairman, *ex-officio*, of the Nominating Committee.

SEC. 3.—The Secretary shall keep a record of the proceedings of each meeting, shall copy into his record all reports of officers, and shall present at each regular meeting a written report of the proceedings at the preceding regular meeting.

SEC. 4.—The Treasurer shall have charge of all funds of this Association and shall present at each regular meeting a written report of the financial condition of the Association. He shall make no assessments except on order of the Board of Directors, and shall pay no bills except such as have the written approval of the President and the Secretary.

SEC. 5.—The Board of Directors shall have general charge of athletics at the Institute. It shall have power to dismiss from office any Captain or Manager elected under this Constitution. It may appoint from its own body only sub-committees to give attention to the special branches of athletics. This Board shall distribute the funds of the Association among the several athletic interests. In matters pertaining to the



promotion and regulation of athletics this Board shall have full power. In case of a vacancy on the Board the remaining members shall temporarily elect another representative to serve until the election in the usual manner of a member to fill such vacancy.

SEC. 6.—The Keeper shall be custodian of all property of the Association, of which he shall keep an itemized account. This account shall be open to inspection by the Board of Directors at any time.

SEC. 7.—The Base Ball Manager and the Football Manager shall perform the duties appertaining to such officers, subject to the direction of the Board of Directors.

SEC. 8.—The Assistant Base Ball Manager and the Assistant Football Manager shall, under the direction of their respective Managers, have charge of the second teams and shall arrange games for them; and, if necessity requires, shall at any time perform the duties of their Managers.

#### ARTICLE VI. SPECIAL MEETINGS.

A special meeting may be called by the President, and shall be called by him at the written request of ten members, three days' notice of the meeting being posted conspicuously in either case.

#### ARTICLE VII. QUORUM.

Fifty members shall constitute a quorum at any regular or special meeting, but a smaller number may adjourn.

#### ARTICLE VIII. AMENDMENT.

SECTION 1.—This Constitution may be amended by a two-thirds vote of the members present at either regular meeting, provided a two weeks' notice of such intended action has been posted on the bulletin board and published in the last issue of the college paper previous to the time of such meeting.

SEC. 2.—This Constitution shall go into effect upon its acceptance by a two-thirds vote of the students present.

### POLITICAL SCIENCE LECTURES.

A course of five lectures has been planned for the Senior class. These lectures will take the place of Professor Haynes' Tuesday morning debates. The talks will commence at nine o'clock. The course is as follows:

Dec. 4th. "Laws Relating to Weights and Measures." T. C. Mendenhall.

Dec. 11th. "Constitutions of Government." P. Emory Aldrich.

Dec. 18th. "Law of Inland Water Rights." Frank P. Goulding.

Jan. 8, '95. "Municipal Law." W. S. B. Hopkins.

Jan. 15, '95. "Some Interesting Points in Patent Law." Charles G. Washburn.

### PRESIDENT MENDENHALL'S LECTURE.

The first in the series of lectures which Prof. Haynes has arranged, as a part of the work in civil government, was delivered by President Mendenhall on Tuesday, Dec. 4th.

The lecture was extremely interesting and profitable, and was thoroughly enjoyed by the members of the class.

The subject of the lecture was, "Legislation Relating to Weights and Measures."

He first noted that metrology was one of the oldest sciences, and that naturally the first units of measure were natural units, such as the foot, the hand, the grain. He then took up the development of standards of measures in this country. He characterized the United States system of coinage the best and simplest in the world, but unfortunately our other systems, modelled after the English, were far from being simple or convenient.

He took up the subject historically, noting all the changes from time to time until, finally, in 1889, we received from France copies of the metre, the standard of length, and the kilogramme, the standard of weight.

He described the ceremony which took place in Washington when these were opened. In April, 1893, Congress passed an act declaring the metre the standard of length; and the kilogramme the standard of weight, and giving the value of the yard in terms of the metre, and the pound in terms of the kilogramme.

The latest act of Congress on the subject of weights and measures was the fixing of the standard of electrical measurement, by the Act July, 1894.

President Mendenhall was enthusiastically applauded when he finished speaking, and all present felt that they had received some very practical knowledge.

### LECTURE BY JUDGE ALDRICH.

The second in the Senior course of lectures was given last Tuesday, by Judge P. Emory Aldrich, President of the Board of Trustees, on the subject, "The Constitutions of Governments."

All the Senior class were there, together with President Mendenhall and Prof. Haynes.

Prof. Haynes introduced the speaker, who gave an interesting and valuable talk on the various European constitutions, as compared with our own.

He considered the three general topics of 1st. The Supremacy of Parliament; 2d. Federal-



ism; 3d. The Relation of the Judiciary to the Other Departments of Our Government.

He called attention to the fact, that Great Britain was the best example of the first, and he then proceeded to define Parliament and that to which it was obedient, namely, the will of the people. He noted the great difference between our constitution and those of France and Belgium, in that our constitution left less than twenty subjects upon which Congress might legislate, while that of France left over three hundred.

He drew the distinction between "Unitarian Governments," like those of Italy and other European governments, and a Federal Government, such as our own, which is the world's best example of a Federal Government.

He next considered the power of the judiciary, and stated, that the control of legislation possessed by judges, exists nowhere else in the world outside of the United States.

This arises from the ruling of Judge Marshall, Chief Justice of the Supreme Court during Jefferson's first term. He decided that, "Any law passed by Congress and signed by the President, becomes no law at all, when decided by the Supreme Court to be unconstitutional."

Hence we are virtually ruled by the courts in this country. He defined Federalism, as a government, in which the sovereignty was vested in two bodies, national and state, as opposed to a unitarian government, in which the sovereignty is vested in one body.

In closing, he commented on the great importance of the question of government to students just entering the actual business of life. At the close of the lecture the speaker was enthusiastically applauded.

## ALUMNI RECEPTION.

### Banquet Tendered President Mendenhall.

On the evening of December 12th, a reception in Colonial Hall was tendered to Dr. Mendenhall by the Alumni Association. The early part of the evening was spent in an informal way.

About 9 o'clock the president of the association, H. Winifred Wyman, introduced Dr. Mendenhall, who replied in well chosen words. Hon. Stephen Salisbury made a short address, and C. G. Washburn delivered a speech which was full of excellent suggestions.

An elaborate supper was then served in the banquet hall. There were present in addition to more than fifty of the alumni, the following professors: Prof. Sinclair; Prof. Gladwin; Dr. Kinnicutt; Prof. Alden; Mr. Higgins; Profs. Haynes, Kendrick, and Jennings.

The committee, which had charge of the reception, was: W. H. Wyman, '82, chairman; E. F. Tolman, '71; V. E. Edwards, '83; W. W. Bird, '87; H. P. Eddy, '91; Charles Baker, Jr., '93; and Wm. L. Chase, '77.

## NORTHERN OHIO ALUMNI.

### Resolutions Adopted at Their Banquet.

To the W P I:—

The Northern Ohio Alumni Association held its mid-winter meeting and banquet at The Hollenden in Cleveland, on Friday evening, Dec. 7; the first business coming before the meeting being an excellent Menu, which was ably discussed by all hands through nine courses from blue points to crackers and coffee. An innovation was introduced by extending the invitation to be present to the wives of all members, and the presence of the ladies for the first time added much to the pleasure of the evening.

After dinner the meeting was called together by Pres. Aborn, '71, and the right of suffrage having been granted the ladies, the following resolutions were presented and unanimously adopted:—

**WHEREAS:** This association has read with deep interest of the changes resulting in the election and inauguration of Prof. T. C. Mendenhall as president of The Worcester Polytechnic Institute, and recognizes the appointment to be a most fortunate one, calculated in every way to conserve the best interests of our alma mater,

**Resolved,** That as Alumni we welcome Pres. Mendenhall into a fold of which we are ever proud, and assure him our hearty support and good will in his new position; and

**Resolved,** That we congratulate the Board of Trustees upon the selection of one possessed of the eminent qualifications and abilities, which Pres. Mendenhall brings with him to the Institute; and especially upon the selection of an Ohio man, a designation in all times synonymous with energy and success.

FRANK ABORN, '71,  
JOHN G. OLIVER, '82,  
WINDSOR T. WHITE, '90,  
FRANCIS W. TREADWAY, '90,

Committee.

## CHICAGO ALUMNI.

A meeting and banquet of the Chicago Alumni was held Nov. 23d.

The meeting was very well attended, there being twenty-one Alumni and eleven ladies present.

All the classes from '73 to '94 were represented save one. The affair was a success and great enthusiasm was shown for the Tech and its societies, notably the W. E. S. A letter from Professor Geo. I. Alden explaining the plans and telling the strength of the W. E. S. was read during the evening.

### THE BASEBALL CAPTAINCY.

At a meeting of last year's ball team, held on Tuesday, December 11th, Captain Zaeder was elected to succeed himself. The members of the team showed their confidence in Captain Zaeder by electing him by acclamation.

### MANAGER GORDON'S REPORT.

Received from	
Faculty and Instructors,	\$56.00
Alumni,	17.50
Class of '94,	40.00
Class of '95,	53.00
Class of '96,	35.50
Class of '97,	5.00
Guarantees,	170.00
Gate Receipts,	111.07
Other Sources	20.55
<b>Total,</b>	<b>\$508.62</b>
Expended for	
Supplies,	\$ 70.95
Guarantees and Travelling,	259.17
Havener's Bill of '92,	127.00
Hamilton's Bill of '93,	6.00
<b>Total,</b>	<b>\$463.12</b>
<b>Total Receipts,</b>	<b>\$508.62</b>
	<b>463.12</b>
<b>Balance,</b>	<b>\$45.50</b>

Respectfully Submitted.

GEORGE C. GORDON, '95, Manager and Treasurer.

### COMMUNICATIONS.

*To the Editor of the W P I:—*

In your last issue you published a communication in regard to a railing for the walk leading up the steep incline to the Shop. It is the purpose of this article to suggest another improvement, or rather necessity. This is also a railing and should be supplied on each of the three floors of the Shop, as a guard for the elevator shaft. Since the elevator was placed in the Shop not even the slightest protection has been afforded at this place. Already several narrow escapes have occurred, and the defect should be supplied before serious accidents happen.

When the elevator was first completed a student fell from one of the floors, but was fortunate in having sufficient specific gravity to enable him to overtake the elevator before it reached the lower floor. Recently a workman had an unpleasant experience. He had looked down the shaft for a moment and stepped away just in time to avoid being struck by the descending car.

It is understood that plans for a guard have been made. Let us hope this is true; and that no one will be injured while we are waiting its erection.

SHOP.

*To the Editor of the W P I:—*

What calm and peaceful quiet exists in regard to track and field athletics at the Institute this year! What a blissful feeling of self-satisfaction and careless contentment seems to have taken possession of us. When we consider the remarkable (?) record made by us at the last Intercollegiate games; the astonishing array of points piled up by our athletes, we are at loss to understand this unwonted display of optimistic feeling.

Of course we are handicapped by our lack of gymnasium practice, but the question is, would any more interest be taken in sports if we had one? For the last two or three weeks before the W. A. C. games, just closed, the rink has been open for training purposes free of charge. Many High School and Academy men were there, but very few Tech men availed themselves of the opportunity thus offered. We did manage to get enough men out to get a relay team which defeated Holy Cross with ridiculous ease; but outside of this we did nothing, in fact only three men started in the open events.

The failure to hold cross-county runs this fall has deprived us of that chance for bringing out new material, and it now seems the only way to develop "dark horses," is to get them down to the rink. Perhaps some of us are discouraged by our poor showing at last Intercollegiate. Now isn't it the right thing to do to set to work heartily to wipe out the disgrace of that day? Suppose we were badly beaten, so were Amherst and Dartmouth and several of the others, but you will see them making greater efforts to win back their lost fortunes next spring.

Now it isn't the athletes alone who do this, it is the spirit and enthusiasm of the whole body of students. Let us make the victory over Holy Cross the starting point for a long line of similar ones, let every man who even thinks he has athletic ability come down to the rink and try, and our showing next spring will bring no reproach upon us.

"ATHLETICS."

*Editor W P I:—*

I have had reason to think sometimes that our "branch" Alumni Associations are somehow endowed with more snap, ebullience, enthusiasm for the Tech than the father of them all, which does congregate at the Institute's own hearthstone. I am not sure whether or not I have discovered one reason for that state of things. I was much interested in the accounts published in the city dailies and in the W P I of the reception and dinner given in honor of our new President by the Washington Association. I noticed on the bill discussed on that occasion, among other items, that promoter of enthusiasm,

Mumm's Extra Dry, and I felt sorry. Not as sorry as I should have felt if I had really thought the discovery above alluded to could stand, but still sorry that an association bearing the name of the Alumni of the Worcester Tech should so far disregard an established principle of the parent organization as to provide refreshment or stimulator of enthusiasm of that character at a published dinner. I do not know but the parent organization is to blame in this matter, for not making its principles more widely known. I therefore furnish you copy of the By-Laws of the Corporation, hoping that you may find room for it in an early issue. It is to Article X. that I would call particular attention in this connection. WM. L. CHASE.

### Y. M. C. A. RECEPTION.

The Worcester Y. M. C. A. tendered a reception to the students of the Tech and High School Tuesday, Dec. 4th. About fifteen Techs were present,—rather a poor showing. After a social hour in the parlors of the building, those present retired to the gymnasium, where an interesting programme was carried out. A drill was given by Instructor Wilder's senior class; E. B. Whipple, '94, gave an exhibition of club swinging. The entertainment closed with a game of basket ball, one of the teams being captained by H. W. Warren, '96.

### THE TECH-HOLY CROSS TEAM RACE.

#### A Victory for W. P. I.

The W. A. C. games at the rink, last Thursday, were, considering the small field of competitors, very exciting. Of course all Tech interest centered in the team race with Holy Cross. The only other Tech men competing were Allen in the 40-yds. dash and Fuller in the half-mile novice, and neither of these men was near the winner.

The Tech constituent had taken possession of the south gallery. They kept very quiet until the four crimson sweaters stepped out on the floor, when, under the leadership of Temple, '95, they made the rink resound with cheers. The Holy Cross boys answered with their yells, and everyone anxiously awaited the start.

M. C. Allen was first man for Tech and his opponent was Patrick Powers. At the word Allen took the lead with Powers close on his heels. On the second lap, however, the leader drew away and finished fifteen yards ahead. Vaughn and Field gained respectively on Austin and McGillicuddy. When O'Connor had sprinted half a lap McBain was just starting. The Tech runner took it easy and finished in 2 m. 9 s.

The Holy Cross team was handicapped by the absence of Sockalexis, the Indian runner, who, according to report, was doing excellent work. In spite of the fact that the Holy Cross runners had been training about twice as long as the Techs, the latter seemed to take the corners much better, and to this fact may be attributed the ease with which they defeated their opponents from St. James' Hill.

### BY-LAWS OF W. P. I. ALUMNI ASSOCIATION.

#### ARTICLE I.

The name of the Corporation shall be THE ALUMNI ASSOCIATION OF THE WORCESTER POLYTECHNIC INSTITUTE.

#### ARTICLE II.

All Graduates of the Institute may be members; and shall be elected at any annual meeting of said Association; and election shall be evidence of membership unless the Secretary of said Association shall be otherwise notified by the member elect within three months of notice of said election.

Also: Those who receive from the Institute an honorary degree, and others elected at an annual meeting, may be honorary members.

The annual meeting of the Association shall be held in Worcester, on the day before Commencement, at such hour and at such place as the Executive Committee may appoint.

Special meetings may be called by the Executive Committee upon giving ten days' written notice; or by any twenty members of said Association; all of said meetings shall be held in the City of Worcester.

#### ARTICLE III.

The Officers of the said Association shall be a President, three Vice-Presidents, a Secretary, a Treasurer, and an Executive Committee of Seven (of which the President shall be chairman and the Secretary a member). All of said Officers, except President and Vice-Presidents who shall be chosen by ballot by the Executive Committee, shall be chosen by ballot at an annual meeting, and shall hold their respective offices for one year (unless sooner removed at a meeting called and held for that purpose, for neglect of duty or for misconduct), and until others are chosen and qualified in their stead.

The Executive Committee may fill a vacancy in its number and may elect a Secretary or Treasurer, *pro tem.*, to hold such office until an election by the Association, or during such vacancy when occasioned by the temporary absence of the incumbent.

No officer shall receive any compensation for his service.



## ARTICLE IV.

The Executive Committee shall make all necessary arrangements for the holding of all meetings of the Association, and shall perform all necessary duties not delegated to other officers, and shall be especially charged with recommending, from time to time, whatever may tend to advance the interests of the Association; shall advise the Treasurer in the discharge of his duties and audit his accounts, and shall make a report of the affairs of the Association at its annual meeting, and shall establish a device for a corporate seal.

## ARTICLE V.

The President shall preside at all meetings of the Association and of the Executive Committee (in case of his absence, one of the Vice-Presidents shall preside, and in order of precedence), and with the Treasurer shall subscribe the name of the Association and affix the seal in all cases of a conveyance by deed or mortgage of the real estate of the Association; but no such conveyance shall be made, nor any lease by the Association for more than one year shall be given without a vote of the Association passed at a meeting called for that purpose, which shall be clearly set forth in the notice.

## ARTICLE VI.

The Treasurer shall give a bond for the faithful discharge of his duties, in such amount as the Executive Committee shall determine, and with such sureties as they may approve; shall keep all monies of the Association in such place of deposit as the Executive Committee shall name; shall not draw or use any of the moneys or funds of the Association, except for the payment of the Association debts or by authority of the Association conferred at any regular or special meeting; but no appropriation of money shall be made at any special meeting unless it shall be noticed in the call as part of the business to be transacted.

The Treasurer shall render a true and accurate statement of the financial affairs of the Association at the annual meeting, and, at any other time, when required by the Executive Committee or Association. He shall keep the corporate seal and the books and papers of the Association in some place of safety, which books and papers shall always be open to the inspection of any member of the Association.

## ARTICLE VII.

The Secretary shall be sworn to the faithful discharge of his duties before entering upon the performance of the same. He shall attend all meetings of the Association and of the Executive Committee, and shall keep a record of their

votes and of all business transacted at said meetings. He shall give notice of the Annual Meetings of the Association, and all meetings ordered by the Executive Committee, or called by any twenty members of the Association.

All meetings of the Association shall be notified by a printed or written notice thereof, mailed at least ten days before the date of the meeting, to the last known address of each member.

## ARTICLE VIII.

Each member present at any meeting of the Association shall be entitled to one vote. Twenty-five members of the Association shall constitute a quorum. Any three members of the Executive Committee, present at any meeting of that committee, shall be a quorum thereof for doing business; but in either case any number shall be sufficient to adjourn the meeting.

## ARTICLE IX.

No assessments shall be made except by a vote of the Association at a regular meeting, or a special meeting called for that purpose.

## ARTICLE X.

No spirituous or malt liquors shall be used at any dinner or supper or other meeting held under the auspices of this Association.

## ARTICLE XI.

These By-Laws, or any of them, may be amended, changed, added to, or repealed by a vote of two-thirds of those present at any meeting duly called, notified, and held for that purpose.

At a special meeting of the Association, duly called, and held on June 1, 1891, the Secretary was instructed to cast one vote for the election to membership in the Association of all the Institute's living graduates of that date, which was accordingly done.

Classes graduating since June 1, 1891, are elected to membership at the next annual meeting succeeding their graduation.

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**MARRIED.**

On Thanksgiving day, Alton L. Smith, '90, to Mabel Hartshorn, by Rev. A. B. Chamberlain. The ceremony was performed at the residence of Mrs. S. P. Blaisdell, at 4 o'clock in the afternoon. The bridesmaid was Miss Grace Smith, of Springfield, Mass., a sister of the groom, and the the groom was attended by Grant Hartshorn, of Concord, New Hampshire, a brother of the bride. The wedding was a very quiet one, as only the immediate relatives and a few intimate friends were present.

## COLLEGE NOTES.

A large mass-meeting of the students and graduates of Brown was held in Manning Hall on Wednesday last, to revise the proposed constitution for consolidating Brown's various athletic organizations under one management. The plan has worked admirably at Harvard, Yale and the University of Pennsylvania. Treasurer Morse, of the Harvard Athletic Association, and Treasurer Mumford, of the University of Pennsylvania Association, were present at the meeting. The general idea is to place the control of all athletics under a board of directors, to be composed of members from the faculty, alumni and undergraduates. The treasurer, who shall be required to give bond, will have in charge all the funds of the association. The constitution also calls for standing committees to supervise each sport.

The musical clubs of Cornell have decided to make a holiday tour during the Christmas vacation, visiting the principal cities of the Middle States. The itinerary is as follows:

SCRANTON,	December 24th, 1894.
NEW YORK,	December 25th, 1894.
BROOKLYN,	December 26th, 1894.
WASHINGTON,	December 27th, 1894.
WILLIAMSPORT,	December 28th, 1894.
PITTSBURG,	December 29th, 1894.
CINCINNATI,	December 31st, 1894.
TOLEDO,	January 1st, 1895.
CLEVELAND,	January 2d, 1895.
ERIE,	January 3d, 1895.
BUFFALO,	January 4th, 1895.
ROCHESTER,	January 5th, 1895.

The Christmas trip of Harvard's Glee, Banjo and Mandolin Clubs has been arranged as follows:

WORCESTER, MASS.,	December 21st, 1894.
BALTIMORE,	December 22d, 1894.
CINCINNATI,	December 24th, 1894.
LOUISVILLE,	December 25th, 1894.
INDIANAPOLIS,	December 26th, 1894.
ST. LOUIS,	December 27th, 1894.
KANSAS CITY,	December 29th, 1894.
MILWAUKEE,	December 31st, 1894.
CHICAGO,	January 1st, 1895.

At Yale the workshop in connection with the psychological laboratory has been enlarged. The object is to render it possible for all American psychological laboratories to obtain at home instruments as near perfection as possible.

The course in Yale Law School has been changed from two to three years.

On Nov. 12th the special students at Radcliffe met for the second time, and completed their work of organization. Miss Haskell is president, Miss Elizabeth Richardson vice-president, Miss Bennett secretary, and Miss Bocher treasurer.

Cornell has decided to send her 'Varsity crew to England next year.

It is said that Smith has one of the finest art collections among the colleges for women. The collection of casts being especially valuable.

Harvard and Princeton are negotiating for a series of joint debates on topics of national interest.

Dartmouth will send, during the holidays, her Banjo, Mandolin and Glee Clubs on a tour, to include all the leading cities of New England.

The Mask and Wig Club of University of Pennsylvania will this year present at its preliminary performance, a farce, "The Two Puddfoots," which is materially different from the former performances given by the club.

The Dickinson House at Smith recently gave a house warming. There was dancing.

At Harvard, a press association has been formed among the editors of the various college papers.

A new Greek letter fraternity has been formed at Boston University. It is called Pi Sigma Rho.

Harvard will send four players to the chess tournament between Harvard, Princeton, Columbia, and Yale, to take place in New York in the Christmas vacation.

The Harvard *Crimson* had bulletins of the Yale game direct from Springfield.

At Williams, candidates for the Freshman class may substitute in place of Greek two years of French or German and one year of advanced mathematics.

Of the leading preparatory schools represented on the 'varsity teams, the following is a summary:

St. Paul.—Yale, 8; Princeton, 5.
Andover.—Yale, 5.
Lawrenceville.—Princeton, 5.
Exeter.—Harvard, 1.

## ALUMNI NOTES.

Eldridge, '88, is teacher of manual training department of Poly. High School, San Francisco.

'89. Mr. Addison Irwin Gardner has recently been admitted to practice before the bar of the Supreme Court of the District of Columbia. Since his graduation from the W. P. I., Mr. Gardner has been head instructor of manual training at the leading High School of Washington, and in his spare time has pursued his legal studies at the Columbian University, from which he graduated.

'92. Joseph H. Wallace has left the U. S. Light-house Establishment to enter the employ of A. B. Tower & Co., Mill and Hydraulic Engineers, Holyoke, Mass.

Hugh M. Southgate is playing football this fall with the Allegheny Athletic Association of Pittsburg, Pa., one of the foremost Athletic Clubs of the country.

Ex '94. Moore is taking a regular course in Manual Arts in the Teachers' College, Morning-side Heights, New York.

### SHOP NOTES.

Business has been improving recently.

A number of grinders have been sent to I. W. & C. J. Phillips of London, England.

Students are advised to beware of the man with the "loop puzzle" during practice hours.

The shop has now some large work in the piping for the Chaffinsville Water Power Testing Plant.

In the wood-room the Freshmen are just about to start on the dovetailing in the elementary practice.

The pattern makers are working on patterns for architectural iron work on the new buildings.

There are also patterns for a truing machine for the Norton Emery Wheel Co. under process of construction.

A set of drawing models has recently been sent to the Providence Public Schools.

The new Pilot Valve patented by W. F. Cole has been placed in several elevators, and is giving good satisfaction.

### TECHNICALITIES.

Senior: "Divorces are more frequent where woman's suffrage has been tried."

Student in Thermo:—Do they use gas engines in steam launches?

Prof. of Math.: What would a cone with a minus altitude be?

C—e: A hole.

Much sorrow (?) is felt by members of '95 over the recent change for the worse in the morals of Br—ks, as evinced by language used by him recently.

Nickoloff, '97, and Le Clerc, '95, have been presented with handsome gold watches by the Eagle Publishing Co. The watches are rewards for selling the largest number of books, during the past season.

The Freshmen are now allowed to make up practice Saturday afternoons, and several are taking advantage of the privilege in order that they may not have to stay here next June to make up the 168 hours of extra practice.

In accordance with the custom set by previous classes, the Sophomores presented John Hurley, the faithful Shop janitor, with a turkey and all the requisites for a modern Thanksgiving dinner. The custom is a good one, and let succeeding classes take it up as did '97.

Some interesting points were brought out in the debate on Woman Suffrage, by the Senior Class. One speaker stated that "It would produce old maids, who were a curse to the country." Another stated, that "The women would vote the same as their husbands to avoid trouble in the family."

The buildings have progressed rapidly the past week or two, good weather favoring the contractors. The roof of the power-house is boarded in and ready to receive the gravel covering. The laboratory walls are completed to the last floor, and should the weather continue good this also will be roofed in before work has to be abandoned.

### INSTITUTE DIRECTORY.

#### SENIOR CLASS.

President, F. M. Martin; Vice-President, F. E. Wellington; Secretary, C. R. Barton; Treasurer, G. C. Gordon.

#### JUNIOR CLASS.

President, F. E. Knowles; Vice-President, J. B. Mayo; Secretary, H. G. Phelps; Treasurer, J. C. Tilton.

#### SOPHOMORE CLASS.

President, L. J. Davis; Vice-President, H. L. Daniels; Secretary, O. W. Lundgren; Treasurer, W. D. Edwards.

#### FRESHMAN CLASS.

President, C. A. Booth; Vice-President, F. C. Harrington; Secretary, H. L. Hastings; Treasurer, K. B. Reed.

#### TENNIS ASSOCIATION.

President, H. J. Fuller, '95; Vice-President, Philip Goodrich, '96; Secretary and Treasurer, G. O. Sanford, '95.

#### RANJO CLUB.

Manager, W. H. Carroll, '96; Leader, H. J. Chambers, '95.

#### CAMERA CLUB.

President, H. J. Fuller, '95; Vice-President, A. L. Smith, '90; Secretary and Treasurer, J. W. Higgins, '96.

#### Y. M. C. A.

President, F. J. Bryant, '95; Vice-President, R. S. Riley, '96; Recording Secretary, W. H. Wilmarth, '97; Corresponding Secretary, J. W. Higgins, '96; Treasurer, J. B. Mayo, '96.

#### W. E. SOCIETY.

President, A. W. Clement; 1st Vice-President, Prof. W. W. Bird; 2nd Vice-President, P. B. Morgan, '90; 3rd Vice-President, A. D. Butterfield, '93; 4th Vice-President, C. D. Parker, '73; 5th Vice-President, R. H. Taylor, '95; Secretary, Prof. G. I. Alden; Treasurer, W. F. Cole, '83; Counsellors, Dr. E. H. Bigelow, '75; E. H. Whitney, '71; S. M. Green, '85; W. V. Lowe, '81; W. T. Hatch, '73.

#### \*ATHLETIC ASSOCIATION.

President, F. W. Parks, '95; Vice-President, F. E. Knowles, '96; Secretary, H. H. Morse, '97; Treasurer, J. M. Tilden, '95; Keeper, F. H. Somerville, '95.

#### \*FOOTBALL ASSOCIATION.

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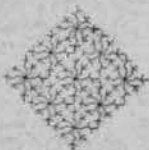


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